

SPK

Notice of Allowability	Application No.	Applicant(s)	
	09/993,569	CAVANDER ET AL.	
	Examiner	Art Unit	
	Sudhanshu C. Pathak	2634	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to May 31st, 2005.
2. ☒ The allowed claim(s) is/are 3, 5, 7, 9, 11 and renumbered as claims 1-5 respectively.
3. ☒ The drawings filed on November 27th, 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>August 25th, 2005</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

1. Claims 3, 5, 7, 9, 11 are pending in the application.
2. Claims 1-2, 4, 6, 8, 10 have been canceled.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kenneth B. Leffler on August 25th, 2005.

- In order to avoid a "Prior Art" rejection the claims have been amended as follows:

➤ **Replace Claim 3 with**

A receiver, for use in a telecommunications system in which transmissions are sent from a plurality of base stations, the receiver comprising:

receiver circuitry, for detecting transmissions from base stations;

a filter, for detecting a correlation between detected transmissions from base stations and a known code, the filter including a plurality of filter segments;

control circuitry, for switching the filter between a first synchronization mode, in which the filter is used divided into segments, when the receiver is first detecting transmissions from a base station to

achieve synchronization therewith, and a second synchronization mode, in which the filter is used undivided, when the receiver is synchronized with one base station and is detecting transmissions from an alternative base station; and

a means for detecting a power of a correlation between detected transmissions from base stations and a known code,

wherein, in the first synchronization mode, the power of the correlations of the filter segments are detected and added together to form an output value, and, in the second synchronization mode, the correlations of the filter segments are added together and the power of the added correlations is detected, to form an output value.

➤ **Cancel Claim 6**

➤ **Replace Claim 7 with**

A method of controlling a receiver, for use in a telecommunications system in which transmissions are sent from a plurality of base stations, the method comprising:

detecting transmissions from base stations;

using a filter, for detecting a correlation between detected transmissions from base stations and a known code, the filter including a plurality of filter segments;

switching the filter between a first synchronization mode, in which the filter is used divided into segments, when the receiver is first detecting

transmissions from a base station to achieve synchronization therewith, and a second synchronization mode, in which the filter is used undivided, when the receiver is synchronized with one base station and is detecting transmissions from an alternative base station; and

in the first synchronization mode, detecting the power of the correlations of the filter segments and adding them together to form an output value, and, in the second synchronization mode, adding together the correlations of the filter segments and detecting the power of the added correlations, to form an output value.

➤ **Cancel Claim 10**

Allowable Subject Matter

4. Claims 3, 5, 7, 9, 11 and renumbered as claims 1-5 respectively are allowable over the prior art of record because the cited references do not contain the specified limitation of a receiver, for use in a telecommunications system in which transmissions are sent from a plurality of base stations, the receiver comprising:
 - receiver circuitry, for detecting transmissions from base stations;
 - a filter, for detecting a correlation between detected transmissions from base stations and a known code, the filter including a plurality of filter segments;
 - control circuitry, for switching the filter between a first synchronization mode, in which the filter is used divided into segments, when the receiver is first detecting transmissions from a base station to

achieve synchronization therewith, and a second synchronization mode, in which the filter is used undivided, when the receiver is synchronized with one base station and is detecting transmissions from an alternative base station; and

a means for detecting a power of a correlation between detected transmissions from base stations and a known code,

wherein, in the first synchronization mode, the power of the correlations of the filter segments are detected and added together to form an output value, and, in the second synchronization mode, the correlations of the filter segments are added together and the power of the added correlations is detected, to form an output value.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sudhanshu C. Pathak whose telephone number is (571)-272-3038. The examiner can normally be reached on M-F: 9am-6pm.

- If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on (571)-272-3056
- The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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- Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sudhanshu C. Pathak

SHUWANG LIU
PRIMARY EXAMINER

A handwritten signature in black ink, appearing to read 'Shuwang Liu', written in a cursive style.